

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/051218

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B25J9/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B25J G05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 521 440 A (KABUSHIKI KAISHA DAIHEN; DAIHEN CORPORATION) 7 January 1993 (1993-01-07) abstract; figures 1-5,13 page 5, line 20 - line 26 page 7, line 24 - line 25 page 7, line 1 - line 6 -----	1-20
X	WO 91/04522 A (AITEC OY) 4 April 1991 (1991-04-04) abstract; figures 1-3 page 2, line 1 - line 8 page 3, line 23 - line 28 page 4, line 32 - page 5, line 10 page 7, line 22 - line 34 ----- -/-	1-9, 13-20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

28 June 2005

Date of mailing of the International search report

01/08/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5018 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Lumineau, S

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/051218

C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 009 (P-811), 11 January 1989 (1989-01-11) -8 JP 63 216105 A (AGENCY OF IND SCIENCE & TECHNOL), 8 September 1988 (1988-09-08) abstract; figures 1,4 -----	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No	
PCT/EP2005/051218	

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
EP 0521440	A 07-01-1993	JP JP DE DE EP US	2514490 B2 5016084 A 69217420 D1 69217420 T2 0521440 A2 5243266 A		10-07-1996 26-01-1993 27-03-1997 04-09-1997 07-01-1993 07-09-1993
WO 9104522	A 04-04-1991	FI WO	83176 B 9104522 A1		28-02-1991 04-04-1991
JP 63216105	A 08-09-1988	JP JP	2034851 C 7069730 B		28-03-1996 31-07-1995